

CURRENT INDUSTRIAL REPORTS SERIES

2010

M311C—Corn (WET AND DRY MILL PRODUCERS OF ETHANOL) (MONTHLY REPORT)

DEFINITIONS AND SPECIAL INSTRUCTIONS

1. Scope of survey

This survey covers all establishments generating corn by-products in the wet and dry mill process of ethanol production.

2. Figures to be reported

Companies with more than one establishment manufacturing the products covered by this survey are requested to complete a separate report form for each location. If you have not received a separate report form for each of your establishments, please call the contact shown on the report form or write to the U.S. Census Bureau for additional forms. A separate report form is required for each wet or dry mill which your company operates.

a. Materials and oils to be included on this report

Report all quantities of by-product production and corn grind used during ethanol production, whether for your own account or on a toll basis.

All establishments reporting corn by-products should report corn grind. Corn grind is a necessary input in the production process of corn by-products.

Corn grind in wet mill {1200}: Corn processed by steeping whole kernels in water to release starch.

Corn gluten meal {1201} — High protein {gluten} feed product separated in the corn wet milling process and combined with minimal quantities of starch and fibrous fraction {approximately 60 percent protein}.

Corn gluten feed {1202} — Medium protein medium energy feed product consisting of the corn bran and condensed steep water solubles remaining after the extraction of starch, gluten, and germ. It may include corn germ meal and other co-products of wet milling {approximately 20 percent protein}

Wet Corn gluten feed {1203} — Medium protein, medium energy feed product made by screening and pressing wet corn fiber to reduce water content. It can include steep liquor, corn germ meal, and fermentation residues {approximately 40-60 percent dry matter}.

Corn germ meal {1204} — Medium protein, medium energy feed product obtained from the corn germ fraction after the corn oil has been removed {approximately 20 percent protein}.

Corn and other grain grind in dry mill; including beverage alcohol distillation {1300} — Corns and other grains processed by grinding kernels into coarse flour and fermenting to convert starch to sugar, including those used in the distillation of beverage alcohol.

Distillers Wet Grain {1301} — The feed product obtained after the removal of ethanol by distillation from the yeast fermentation of a grain or a grain mixture by separating the resultant coarse grain fraction of the whole stillage not dried.

Distillers Dried Grain with Solubles {1302} — The feed product obtained after the removal of ethanol by distillation from the yeast fermentation of a grain or a grain mixture by condensing and drying at least 3/4 of the solids by the methods employed in the grain distilling industry.

Distillers Dried Grain {1303} — The feed product obtained after the removal of ethanol by distillation from the yeast fermentation of a grain or a grain mixture by separating the resultant coarse grain fraction of the whole stillage and drying it by methods employed in the grain distilling industry.

Distillers Dried Solubles {1304} — The feed product obtained after the removal of ethanol by distillation from the yeast fermentation of a grain or a grain mixture by drying the thin stillage fraction.

Condensed Distillers Solubles {1305} — The feed product obtained after the removal of ethanol by distillation from the yeast fermentation of a grain or a grain mixture by condensing the thin stillage fraction to a semi-solid.

Other Corn By-Products {1400} — report any and all corn ethanol by-products produced at the establishment not listed on this form, whether in the wet or dry mill process.

b. Consistency checks

If your company also refines or further processes corn crude vegetable oils, a report form should also be filed for each such location on Form M311J, "Monthly Report of Oilseeds, beans, and Nuts, Primary Processors." If you are not filing a Form M311J for such locations, please notify us and we will send you the necessary report forms.

If you are an ETHANOL DRY OR WET MILL PLANT reporting corn grind and/ or corn by-products, it is HIGHLY UNLIKELY that you would need to report corn crude vegetable oil production on Form M311J. Ethanol crude oil and stocks is NOT collected on this survey or the M311J survey.

3. Definitions

The product detail for this survey, as shown in the Reference List, is defined according to standard nomenclature for this industry.

Wet Mill Ethanol Plant — Corn wet milling is the process of separating the corn kernel into starch, protein, germ, and fiber in an aqueous medium prior to fermentation.

Dry Mill Ethanol Plant — In dry milling, the entire corn kernel is first ground into flour and the starch in the flour is converted to ethanol via fermentation.

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REFERENCE LIST

FORM M311C			
CORN (WET AND DRY MILL PRODUCERS OF ETHANOL) (MONTHLY REPORT)			
Product code	Item code	Item description	Unit of measure
3112218111	1200	WET MILL Corn grind in wet mill Corn by-products (wet mill)	1,000 bushels
311221A300	1201	Corn gluten meal	1,000 lbs.
311221A300	1202	Corn gluten feed	1,000 lbs.
311221A300	1203	Wet Corn gluten feed	1,000 lbs.
311221A241	1204	Corn germ meal	1,000 lbs.
		Dry mill	
3112218111	1300	Corn and other grain grind in dry mill; including beverage alcohol distillation.	1,000 bushels
		Corn by-products (dry mill)	
3112218111	1301	Distillers wet grain (DWG)	1,000 lbs.
3112218111	1302	Distillers dried grain with solubles (DDGS)	1,000 lbs.
3112218111	1303	Distillers dried grain (DDG)	1,000 lbs.
3112218111	1304	Distillers dried solubles (DDS)	1,000 lbs.
3112218111	1305	Cond. Distillers solubles (CDS)	1,000 lbs.
3112218111	1400	Other Corn By-Products	1,000 lbs.